We claim:

1. Prepolymers comprising:

or

wherein the V groups may be the same or different reactive or polymerizable groups; the R_1 groups may be nothing or the same or different spacer groups; the R_2 groups may be the same or different C_{1-6} alkyl groups; R_3 is either R_2 or R_4 ; R_4 is a C_{6-30} aromatic group; R_5 is R_2 , R_4 or R_6 ; R_6 is a functional group that absorbs blue light; U is either nothing or a difunctional linkage; and m, n, p and q represent the same or different non-negative integers greater than zero.

- The prepolymers of claim 1 wherein said V groups are selected from the group consisting of vinyl, allyl, acrylate, methacrylate, acrylamide, methacrylamide, fumarate, maleate and styrene.
- The prepolymers of claim 1 wherein said R₁ groups are selected from the group consisting of nothing, a C₁₋₁₂ alkylene and an organic spacing group of up to 12 atoms.
- 4. The prepolymers of claim 3 wherein said organic spacing group is composed of carbon, hydrogen, silicon, oxygen, nitrogen, phosphorous, sulfur, chloride, bromine or fluorine, alone or in any combination.

- 5. The prepolymers of claim 1 wherein said R₆ group is derived from a reactive yellow dye.
- 6. The prepolymers of claim 1 wherein said R₆ group is derived from a reactive yellow dye with ethylenically unsaturated groups selected from the group consisting of vinyl, allyl, acrylate, methacrylate, acrylamide, methacrylamide, fumarate, maleate, itaconate, styrene and nitrile.
- 7. The prepolymers of claim 1 wherein said U group is nothing or a difunctional linkage, which renders the prepolymer with multiple blocks of polysiloxane groups.
- 8. The prepolymers of claim 1 wherein said U group is urethane.
- The prepolymers of claim 1 wherein said prepolymers have blue light absorption properties.

- 10. A polymeric composition produced through the copolymerization of one or more prepolymers of claim 1 with one or more monomers or oligomers.
- 11. A polymeric composition produced through the copolymerization of one or more prepolymers of claim 1 with one or more monomers or oligomers, one or more strengthening agents, one or more crosslinking agents and one or more catalysts.
- 12. The polymeric composition of claim 10 or 11 wherein said one or more monomers or oligomers are selected from the group consisting of high refractive index siloxane-containing acrylates, high refractive index siloxane-containing methacrylates, aromatic-group-containing acrylates, aromatic-group-containing methacrylates, vinyl- or allyl-containing siloxane monomers having high refractive indices, and vinyl or allyl-containing aromatic monomers.

- 13. The polymeric composition of claim 11 wherein said strengthening agent is selected from a group consisting of a silica filler and a siloxane-based resin with at least one vinyl group.
- 14. The polymeric composition of claim 11 wherein said strengthening agent is a silica filler.
- 15. The polymeric composition of claim 11 wherein said strengthening agent is a siloxane-based resin with at least one vinyl groups.
- 16. The polymeric composition of claim 11 wherein said crosslinking agent is polydimethyl-<u>co</u>-methylhydrosiloxane.
- 17. The polymeric composition of claim 11 wherein said catalyst is selected from the group consisting of Pt-silicone complex, potassium silanoate and aminosilanoate.

- The polymeric composition of claim 11 wherein said catalyst is Pt-silicone complex.
- 19. A process for producing the prepolymers of claim 1 comprising:

producing a silicone-containing cyclic compound; adding a reactive dye moiety to said cyclic compound; and reacting said cyclic compound with a divinyl siloxane.

- 20. A process for producing a polymeric composition comprising: polymerizing one or more prepolymers of claim 1 with one or more monomers or oligomers.
- 21. A process for producing a polymeric composition comprising: polymerizing one or more prepolymers of claim 1 with one or more monomers or oligomers, one or more strengthening agents, one or more crosslinking agents and one or more catalysts.

- The process of claim 20 or 21 wherein said one or more

 monomers or oligomers are selected from the group consisting of high
 refractive index siloxane-containing acrylates, high refractive index
 siloxane-containing methacrylates, aromatic-group-containing acrylates,
 aromatic-group-containing methacrylates, vinyl- or allyl-containing
 siloxane monomers having high refractive indices, and vinyl or allylcontaining aromatic monomers..
- 23. The process of claim 21 wherein said reinforcing component is selected from a group consisting of silica filler or a siloxane-based-resin with at least one vinyl groups.
- 24. The process of claim 21 wherein said reinforcing component is a silica filler.
- 25. The process of claim 21 wherein said reinforcing componentis a siloxane-based resin with at least one vinyl group.

- 26. A method of producing an ophthalmic device using the polymeric composition produced through the process of claim 20 or 21 comprising: casting said polymeric composition into a shaped body.
- 27. A method of using the ophthalmic device produced through the method of claim 26 comprising:

implanting said ophthalmic device in an eye.

28. A method of producing an ophthalmic device using a polymeric composition produced from one or more of the prepolymers of claim 1 comprising:

casting said polymeric composition into a shaped body.

29. A method of using the ophthalmic device produced through the method of claim 28 comprising:

implanting said ophthalmic device in an eye.

- 30. A medical device containing one or more of the prepolymers of claim 1.
- 31. An intraocular lens containing one or more of the prepolymers of claim 1.